



**DEVELOPMENT OF AMENDMENTS TO RULES CONCERNING PARTICULATE
MATTER EMISSION LIMITS FOR INDIANAPOLIS POWER AND LIGHT
FACILITIES IN MARION COUNTY**

#95-16(APCB)

Overview

This rulemaking amends the particulate matter emission limitations for Indianapolis Power and Light facilities which are located in Marion County.

Citations Affected

Amends: 326 IAC 6-1-12

Affected Persons

Indianapolis Power & Light facilities located in Marion County and persons in the vicinity of the facilities.

Potential Cost

There is no additional cost to the state due to these rulemaking changes. Costs for installation of additional equipment or testing would affect the source requesting the rule changes. Increased operational flexibility should result in cost savings for the company.

Description

Indianapolis Power & Light (IPL) operates several steam and electric generating stations in Marion County, Indiana. Three of the stations located in Indianapolis are the subject of this rulemaking, Perry K, Perry W (demolished), and E.W. Stout. IPL has requested changes to the Indiana state implementation plan with respect to particulate matter (PM) emissions and has furnished IDEM with air quality dispersion modeling to support the request.

The Perry K station consists of six boilers, numbers 11-18. IPL requests that separate short-term emission limits be specified for Perry K's boilers 11-18 and requests that Perry K's boilers

17 and 18 be changed from coal-fired to oil-fired.

The department is working with the company to develop a Federally Enforceable State Operating Permit (FESOP) that would allow the conversion of boilers 11, 12, and 14 for Perry K from coal-fired to coke oven gas and natural-gas fired. The draft rule reflects those permit changes. IPL estimates that boiler unit 11 will be on line by fall of 1998 and units 13 and 14 by early 1999. IPL requests that each boiler and its limit be listed separately in the rule.

In addition, the three annual emission limits in tons per year have been combined to reflect one annual limit for Perry K Boilers 11-18, allowing IPL the operational flexibility it has requested without increasing the limit.

Other changes to the rule delete references to Boilers 17 and 18 for Perry W due to demolition of the two boilers, a decrease of 49.5 tons per year with the removal of that facility from the state implementation plan. Boilers 1 through 8 at E.W. Stout are no longer operational and are being deleted from the draft rule, eliminating 3.04 tons per year. A typographical error to the emission limit for Boiler 70 at E.W. Stout is being corrected.

The net result of the requested changes to the existing rule will be a decrease in actual emissions because of the Perry K conversion. Modeling shows that there will not be exceedances of PM significant levels.

Compliance shall be determined using 40 CFR 60, Appendix A, Method 5 (Determination of particulate emissions from stationary sources). The notation at the end of the rule table is being amended to reflect the current required testing

methods for compliance.

Consideration of Factors Outlined in Indiana Code 13-14-8-4

Indiana Code 13-14-8-4 requires that in adopting rules and establishing standards, the board shall take into account the following:

- 1) All existing physical conditions and the character of the area affected.
- 2) Past, present, and probable future uses of the area, including the character of the uses of surrounding areas.
- 3) Zoning classifications.
- 4) The nature of the existing air quality or existing water quality, as appropriate.
- 5) Technical feasibility, including the quality conditions that could be reasonably be achieved through coordinated control of all factors affecting the quality.
- 6) Economic reasonableness of measuring or reducing any particular type of pollution.
- 7) The right of all persons to an environment sufficiently uncontaminated as not to be injurious to:
 - (A) human, plant animal, or aquatic life; or
 - (B) the reasonable enjoyment of life and property.

Consistency with Federal Requirements

The amended rules are consistent with federal laws and rules.

IDEM Contact

Additional information regarding this rulemaking action can be obtained from Suzanne Whitmer, Rule Development Section, Office of Air Management, (317) 232- 8229 or (800) 451-6027, press zero (0) and ask for extension 2-8229 or (317) 232-8229.